

Stationary Spot Welder Lower Arm Adjustable Type **NDZ Series**

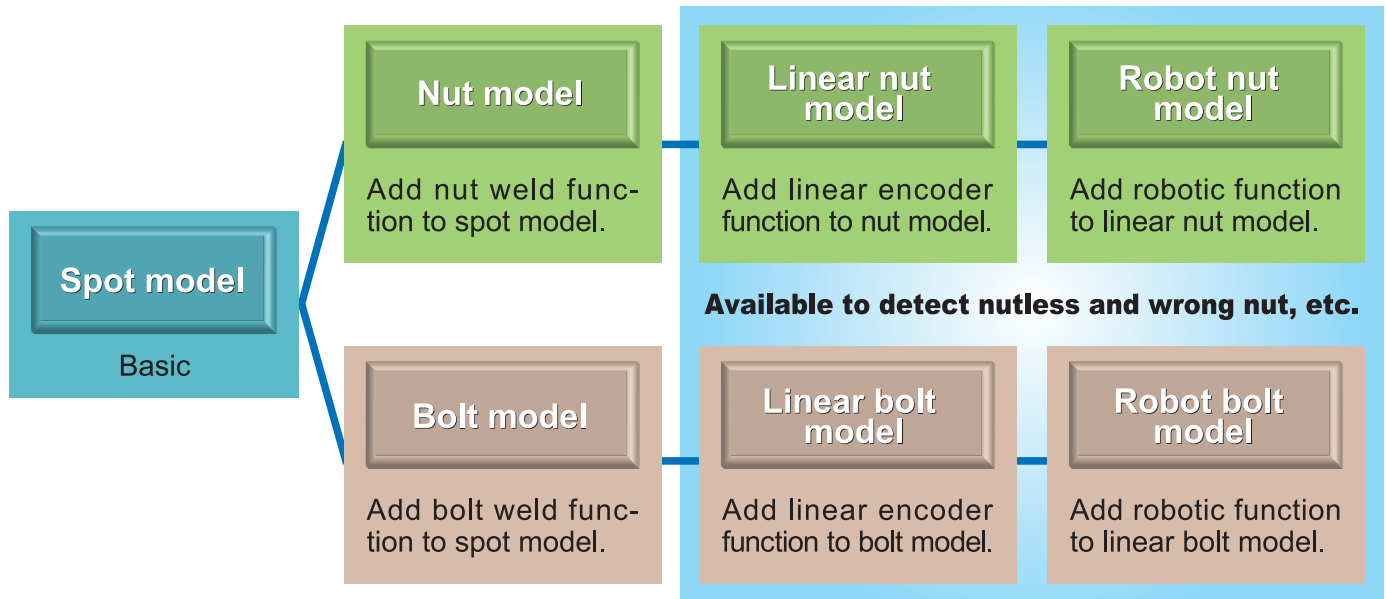
Features

Lower arm is adjustable 4 steps to fit various panel and JIG.

MFDC type is available
can support with
platen for High quality
welding



Various lineups to meet many applications.

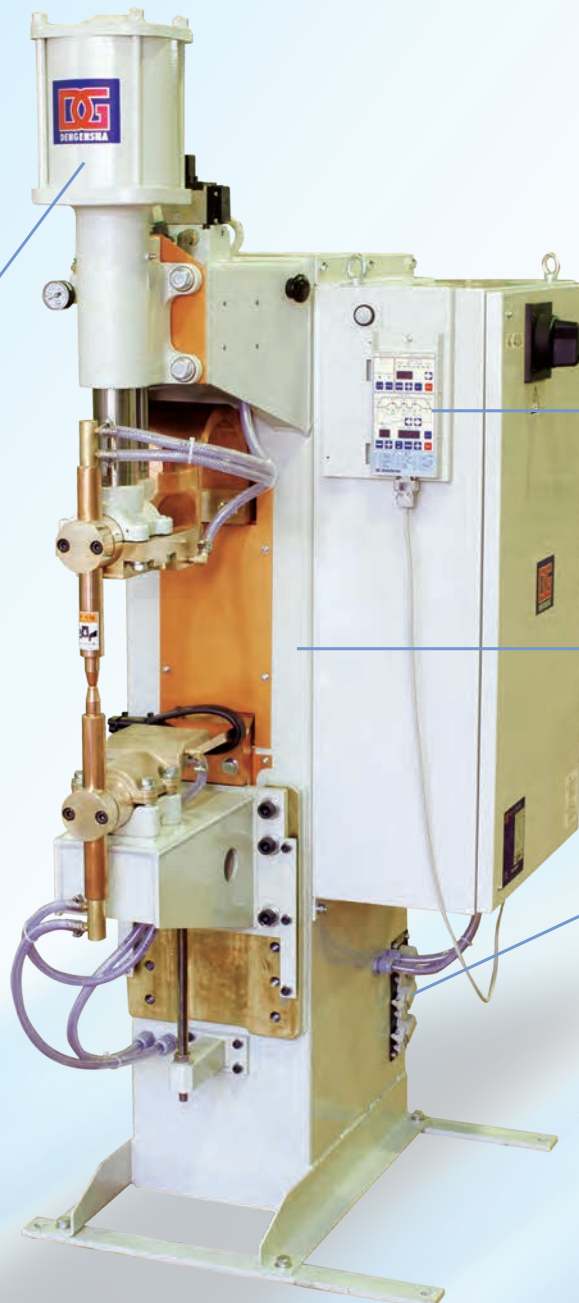


Long stroke
115 mm and 155 mm stroke are available.

Non-lubrication cylinder emits clean air for the environment.

Linear encoder model checks nut presence, thickness and set down after welding.

Adjustable lowe arm
Available 4 steps to fit various panel and JIG.



Easy operation with microprocessor based weld timer
Handy program box has password security and visual chart display.
5/31/255 weld schedules.

Rigid frame for long life and minimal deflection.

Feeder interface
Direct plug connection to Dengensha parts feeder.
(Available for another manufacturer's feeders by terminal connection)

Model (sample)

①		②		③		④		⑤		⑥		⑦		⑧		⑨	
Model	NDZ	—	100	—	5	1	E	S	U	—	P	—	D				
			070			5	8	E	S	U			P			D	
			100			7	1	F	N	W			R				
			E75					K	L			T					
			HA0					L	R								
			EF0					B									
							M										
							T										

①	Series name	NDZ	NDZ Series	Notes
②	Rated capacity	070	AC 70kVA	
		100	AC 100kVA	
		E75	MFDC 75kVA	1000Hz
		HA0	MFDC 100kVA	1800Hz
		EF0	MFDC 150kVA	1000Hz
③	Throat depth	5	400mm	
		7	600mm	
④	Electrode force	8	6kN	$\phi 70-\phi 32$ -MT#2
		1	10kN	$\phi 70-\phi 32$ -MT#2
⑤	Stroke	E	115st	Single stroke
		F	115st	Double stroke by piston, only for robot model
		K	155st	Single stroke
		L	155st	Double stroke by piston, only for robot model
⑥	Apprication	S	Spot	
		N	Nut	
		L	Linear nut	
		R	Robot nut	
		B	Bolt	
		M	Linear bolt	
		T	Robot bolt	
⑦	Pneumatic	U	Connects from back	
		W	Connects from upper	
⑧	Power source	P	460V/60Hz	AC
		R	480V/60Hz	AC
		T	$\phi 3$ 460V $\pm$ 10%	MFDC
⑨	Rev.	A,B,C,D,...		

MFDC

Three phase AC460V/ 60Hz



AC

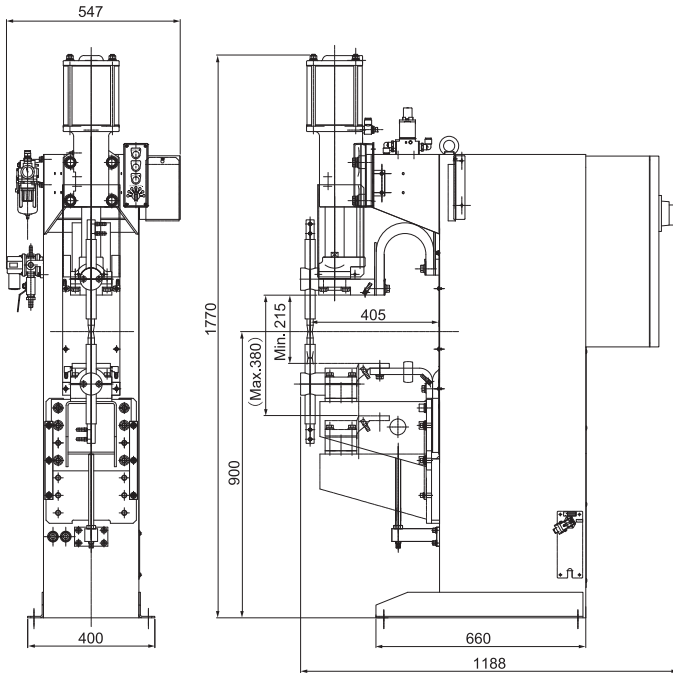
Single phase AC460V/60Hz



Dimensions

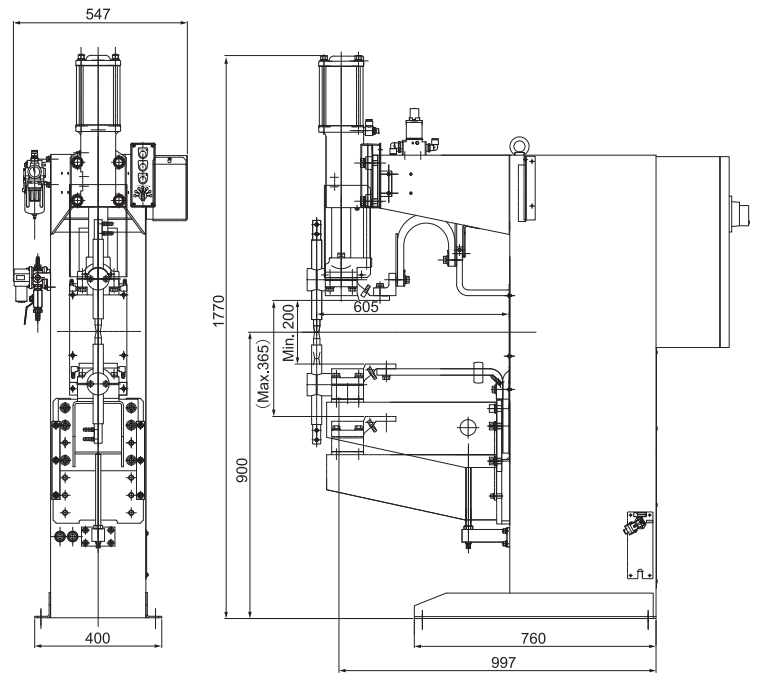
Throat 400 Model

NDZ — 070 — 51KSU — P — D
100



Throat 600 Model

NDZ — 070 — 78KSU — P — D
100



Specification

AC

Single phase AC460V 60Hz

(The following ⑤, ⑥, ⑦, shall be referred to sample on page 2.)

		NDZ-070- 58567-P-D				NDZ-070- 51567-P-D				NDZ-070- 78567-P-D				NDZ-100- 51567-P-D				NDZ-100- 78567-P-D			
Rated primary voltage	V	460				460				460				460				460			
Rated frequency	Hz	60				60				60				60				60			
Rated capacity	kVA	80.5				80.5				80.5				115				115			
Maximum input	kVA	190	177	164	142	190	177	164	142	155	147	138	129	327	305	283	261	216	198	181	164
Maximum short circuit current	A	22000	20500	19000	16500	22000	20500	19000	16500	18000	17000	16000	15000	30000	28000	26000	24000	25000	23000	21000	19000
Allowable duty cycle	%	9.0	10.4	12.1	16.0	9.0	10.4	12.1	16.0	13.4	15.1	17.0	19.4	6.2	7.1	8.2	9.7	8.9	10.5	12.6	15.4
Throat gap	mm	215	270	325	380	215	270	325	380	200	255	310	365	215	270	325	380	200	255	310	365
Throat depth	mm	400				400				600				400				600			
Maximum electrode force (at 0.5MPa)	kN	6				10				6				10				6			
Total stroke	mm	115		155		115		155		115		155		115		155		115		155	
Retracting stroke	mm	100		140		100		140		100		140		100		140		100		140	
Working stroke	mm	900				900				900				900				900			
Horn diameter	mm	70				70				70				70				70			
Electrode holder diameter	mm	32				32				32				32				32			
Tip diameter	mm	15.875				15.875				15.875				15.875				15.875			
Electrode taper		MT#2				MT#2				MT#2				MT#2				MT#2			
Required water flow rate	l/min	8				8				8				10				10			
Timer / contactor		NWC-90*-21				NWC-90*-21				NWC-90*-21				NWC-90*-21				NWC-90*-21			
Program box		PB-900-21				PB-900-21				PB-900-21				PB-900-21				PB-900-21			
Current feed back		Toroidal coil				Toroidal coil				Toroidal coil				Toroidal coil				Toroidal coil			



1-23-1 Masugata, Tama-ku, Kawasaki-shi, Kanagawa-ken, Japan 214-8588
TEL.+81-44-922-1121 FAX.+81-44-922-1100 <http://dengensha.co.jp>

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